EXPERIMENT NO :05

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**Program Code: -**

import java.util.\*; public class ArraySort {

public static void sortArray(int arr[]) { for(int i=0;i<arr.length-1;i++) {

for(int j=0;j<arr.length-1-i;j++) { if(arr[j] > arr[j+1] ) {

int temp = arr[j]; arr[j]= arr[j+1]; arr[j+1]= temp;

}

}

}

}

public static void printarray(int arr[]) { for(int i=0; i<arr.length ; i++ ) { System.out.print(arr[i]+ " ");

}

System.out.println();

}

public static void bubbleSortStrings(String[] array) { int n = array.length;

for (int i = 0; i < n - 1; i++) { for (int j = 0; j < n – i – 1; j++) {

if (array[j].compareTo(array[j + 1]) > 0) {

String temp = array[j];

Array[j] = array[j + 1];

Array[j + 1] = temp;

}

}

}

}

Public static void main(String args[]) {

Int arr[] = new int [5];

Scanner sc= new Scanner (System.in);

For(int i=0;i<arr.length;i++) {

Int num = sc.nextInt();

Arr[i] = num;

}

String[] stringArray = {“apple”, “banana”, “orange”, “kiwi”, “grape”};

bubbleSortStrings(stringArray);

System.out.println(“Sorted string array: “);

For (String s : stringArray) {

System.out.print(s + “ “);

}

sortArray(arr);

printarray(arr);

}

}

OUTPUT:

8

2

1

5

Sorted string array:

Apple banana grape kiwi orange

1 2 4 5 8